



BITUMINOUS MIXTURE RELEASE AGENTS AND ADDITIVES FIELD SECTION 1071

1071.1 Scope. To establish the procedures for inspection and acceptance of asphalt release agents for use in coating truck beds when hauling asphaltic mixtures and for inspection and acceptance of fibers for stone mastic asphaltic (SMA) mixtures.

1071.2 Procedure.

1071.2.1 Asphalt Release Agents.

1071.2.1 Qualified List. These agents will be identified as surfactant type or nonsurfactant type. Non surfactant type release agents are only to be used as truck bed release agents when they are dispensed by the manufacturer's recommended dispensing system shown in [FS-1071 Table 1](#) of this Manual.

1071.2.2 Manufacturer and Brand Name Approval. If a manufacturer desires to have material added to the list of qualified release agents, the manufacturer shall submit to the State Project Operations Engineer, a certified test report with all information listed in Specification Sec 1071. Upon approval of the release agent, it will be placed on the list of qualified release agents.

1071.2.3 Basis of Acceptance. It will be necessary for inspection personnel to adequately identify the manufacturer and brand, lot and place of manufacture of the release agent being used to determine that it is on the list of qualified release agents. Material on the list of qualified list may be accepted for use without further documentation. If, in subsequent actual field use, there is evidence of unsatisfactory results, variability or change in composition, or misbranding, the Operations Engineer is to be notified and the material may be rejected and approval for further use withdrawn until it is subsequently retested and reapproved.

1071.2.4 Sampling. Each District is to submit to the Laboratory a representative sample of each undiluted admixture being used at intervals not to exceed 12 months. The Operations Engineer is responsible for maintaining a list of those agents used and insuring that the random samples are kept up to date. A sample of release agent consists of approximately one quart [liter] of material in a screw top should be recorded in SiteManager showing the manufacturer's name, the brand name or designation of the material, and lot number.

1071.2.5 Sample Record. No field reports are necessary. Test results on random samples of release agents will be reported and distributed by the Laboratory in accordance with [Laboratory Sec 1071](#) of this Manual.

1071.3 Fibers for Stone Mastic Asphaltic Mixtures (SMA)

1071.3.1 Qualified List. A list of qualified fibers for SMA mixtures is maintained by the State Project Operations Engineer. This list is shown in [FS-1071 Table 2](#) of this Manual.

1071.3.2 Manufacturer and Brand Name Approval. Prior to any use of the fibers, the manufacturer shall furnish to the State Project Operations Engineer, a sample of the fiber for qualification and brand name approval in accordance with Specification Sec 1071. Upon qualification and brand name approval, the fiber will be placed on a list of qualified fibers for use in SMA mixtures.



1071.3.3 Final Approval. Final approval of cellulose or mineral fibers will be based on a manufacturer's certification certifying that the material being furnished is the same as that furnished for prequalification and brand name approval and that the material complies in all respects with the requirements of these specifications. Samples are to be taken and submitted to the Central Laboratory when requested by the State Project Operations Engineer.

1071.3.4 Report. Fibers for SMA mixtures shall be reported through SiteManager in accordance with [Automation Sec AS-3520](#) of this manual.

1071.4 Liquid Anti-Strip Additives.

1071.4.1 Qualified List. A list of qualified Liquid Anti-Strip Additives is maintained by the State Project Operations Engineer. The list is shown in [FS-1071 Table 3](#) of this manual.

1071.4.2 Manufacturer and Brand Name Approval. If a manufacturer desires to have a liquid anti-strip additive added to the list of qualified liquid anti-strip additives, the manufacturer shall submit to the State Project Operations Engineer, a certified test report with all information listed in Specification Sec 1071. Upon approval of the liquid anti-strip additive, it will be placed on the qualified list.

1071.4.3 Final Approval. Final approval of liquid anti-strip additives will be based on a manufacturer's certification certifying that the material being furnished is the same as that furnished for qualification and brand name approval and that the material complies in all respects with the requirements of these specifications.

1071.4.4 Sampling. Prior to the first plant use of a liquid anti-strip for the year, the anti-strip must be sampled and approved before producing bituminous mixture with anti-strip. In addition, each District is to submit to the Central Laboratory representative samples of the additive being used a minimum of two times for each project per bituminous mixture. One sample is to be submitted at the beginning of production for each project and the other sample is to be taken on a random basis during the project. No more than one sample per day is required, and if more than one project is being supplied that day using the same material, all applicable projects are to be shown on the sample ID. A sample of liquid anti-strip additive consists of approximately one pint of material in a friction top can. These samples are to be promptly submitted to the Central Laboratory, shall be reported through SiteManager and shall contain all pertinent information including the mixture numbers represented.

1071.4.5 Sample Record. Quantity reporting to the project is not required, however, plant records are to indicate all quantities received, and those quantities are to justify all usage. Site Manager records are to indicate the brand of additive used by the samples taken.

